

FORM PTO-1390 TRADEMARK OFFICE (REV 9-2001)	U.S. DEPARTMENT OF COMMERCE PATENT AND INTERNATIONAL APPLICATION NO. PCT/EP2003/006414	ATTORNEY'S DOCKET NUMBER <b>TS6347US</b> U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10 / 519137</b>
<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371</b>		
INTERNATIONAL APPLICATION NO. PCT/EP2003/006414	INTERNATIONAL FILING DATE 17 June 2003 (17.06.2003)	PRIORITY DATE CLAIMED 28 June 2002 (28.06.2002)
TITLE OF INVENTION: <b>SYSTEM FOR DETECTING GAS IN A WELLBORE DURING DRILLING</b>		
APPLICANT(S) FOR DO/EO/US : <b>COENEN, Josef, Guillaume, Christoffel</b>		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)).</p> <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ul> <p>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).</p> <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ul> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li> </ul> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p>		
Items 11 to 20 below concern document(s) or information included:		
<p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A preliminary amendment.</p> <p>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or information: postcard for date stamping</p>		

DT01 Rec'd PCT/PTO 22 DEC 2004

PTO-1390 (Rev. 12-2004)

Approved for use through 3/31/2007. OMB 0651-0021  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<p>21. The following fees are submitted:</p> <table border="1"> <tr> <td><input checked="" type="checkbox"/></td> <td>a) Basic national fee.....</td> <td>\$300.00</td> <td>Applicant use</td> <td>Office use only</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>b) Examination fee.....</td> <td>\$200.00</td> <td>\$ 300.00</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>c) Search fee.....</td> <td>\$500.00</td> <td>\$ 200.00</td> <td></td> </tr> <tr> <td colspan="3"><b>TOTAL OF ABOVE CALCULATIONS = \$1000.00</b></td> <td>\$ 500.00</td> <td></td> </tr> <tr> <td colspan="3"><input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.</td> <td>\$1000.00</td> <td></td> </tr> </table>						<input checked="" type="checkbox"/>	a) Basic national fee.....	\$300.00	Applicant use	Office use only	<input checked="" type="checkbox"/>	b) Examination fee.....	\$200.00	\$ 300.00		<input checked="" type="checkbox"/>	c) Search fee.....	\$500.00	\$ 200.00		<b>TOTAL OF ABOVE CALCULATIONS = \$1000.00</b>			\$ 500.00		<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.			\$1000.00	
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Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE																											
- 100 =	/50 =		x \$250.00	\$																										
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).																														
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$																										
Total claims	16 - 20 =		x \$50.00	\$																										
Independent claims	1 - 3 =		x \$200.00	\$																										
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360.00	\$																										
<b>TOTAL OF ABOVE CALCULATIONS = \$1000.00</b>																														
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by ½.																														
<b>SUBTOTAL = \$</b>																														
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).																														
<b>TOTAL NATIONAL FEE = \$</b>																														
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + \$ 40.00																														
<b>TOTAL FEES ENCLOSED = \$</b>																														
<table border="1"> <tr> <td>Amount to be refunded:</td> <td rowspan="2" style="background-color: #e0e0e0;">\$</td> </tr> <tr> <td>Amount to be charged</td> </tr> </table>						Amount to be refunded:	\$	Amount to be charged																						
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<p>a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.</p> <p>b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>19-1800</u> in the amount of \$ <u>1040.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>19-1800</u>. A duplicate copy of this sheet is enclosed.</p> <p>d. <input checked="" type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p>																														
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.																														
SEND ALL CORRESPONDENCE TO:																														
<p>Eugene R. Montalvo SHELL OIL COMPANY Intellectual Property P.O. Box 2463 Houston, Texas 77252-2463 tele: 713-241-0296</p>																														
 <b>EUGENE R. MONTALVO</b> NAME <u>32,790</u> REGISTRATION NUMBER																														